

Fig. 1

SINGLE MEDIA

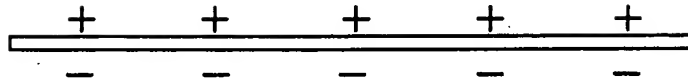


Fig. 2

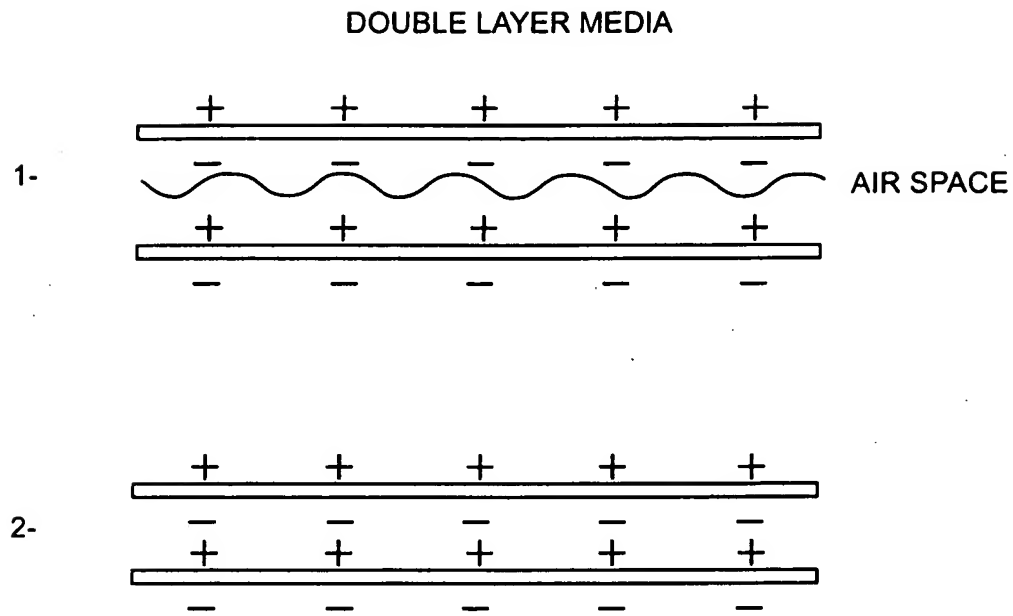


Fig. 3

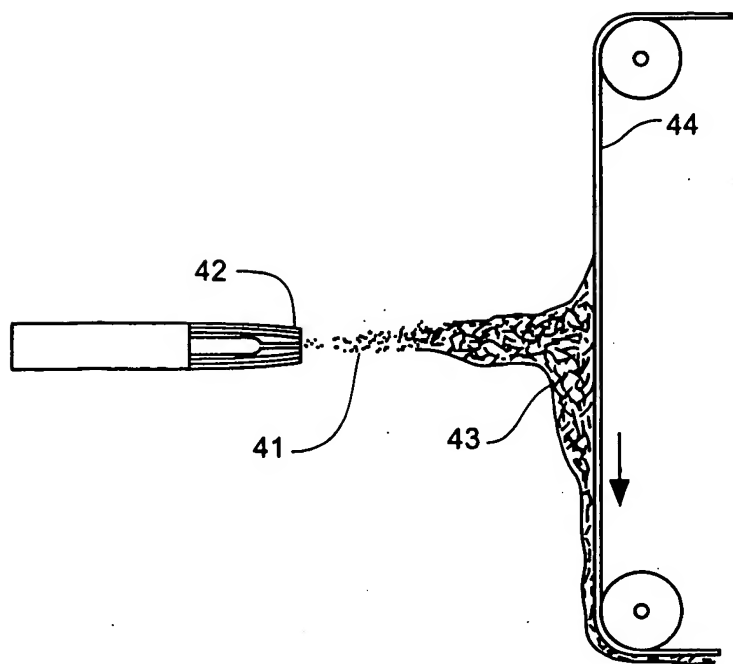


Fig. 4a

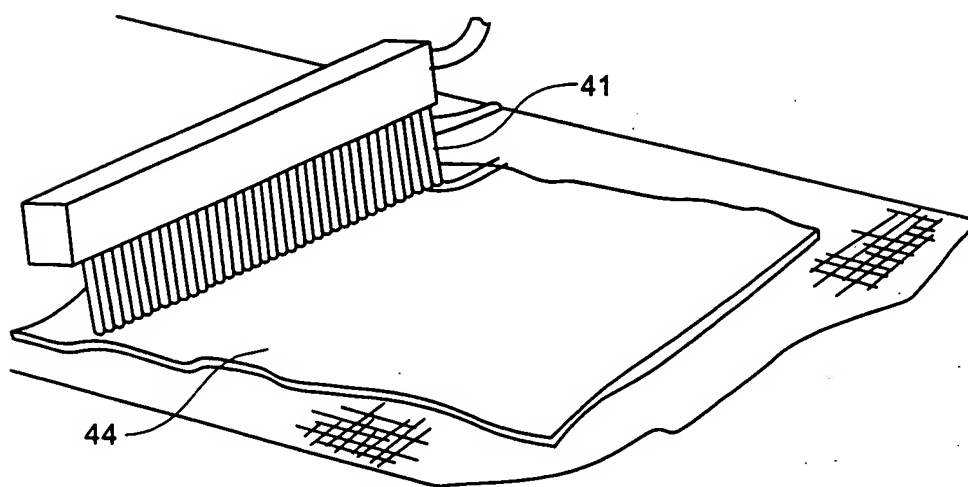


Fig. 4b

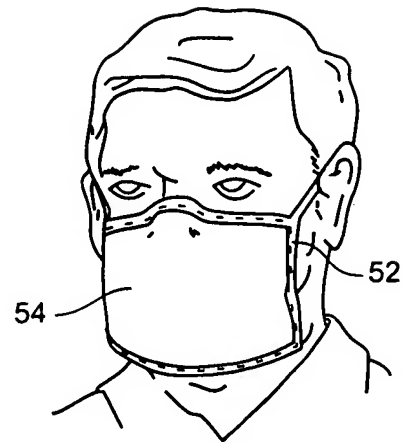


Fig. 5a

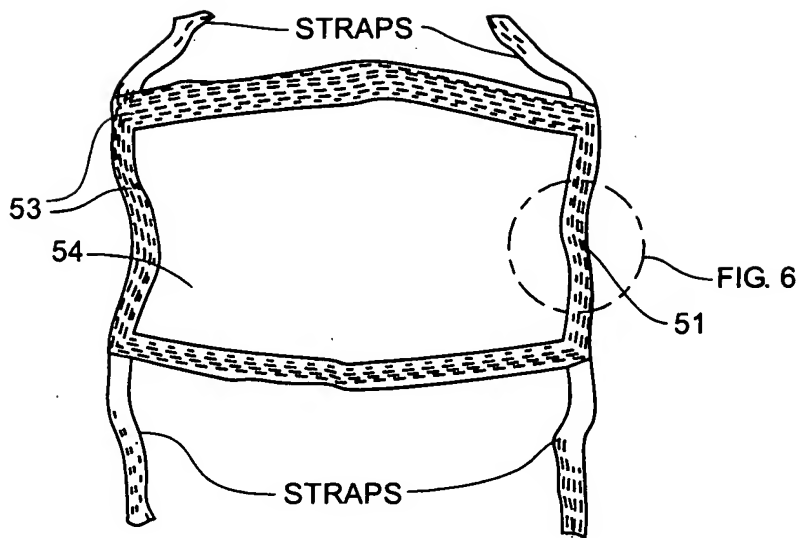


Fig. 5b

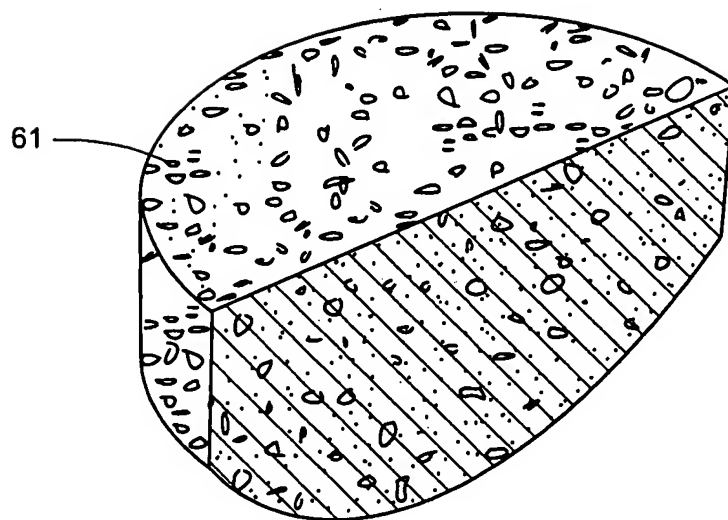


Fig. 6

EXHIBIT A

Experiment No AF276: Biocidal air filtration membrane project:
 Performance of different filtration membrane against BG spores
 for 30, 60, 120, 180, 240, 300 and 360 minutes of filtration

BG			
30 min 7.5 LPM			
	DL	CFU total	% Reduction
2M03-01-75C+	19.5	0.00E+00	100.000000%
2M03-01-75C+	21.5	0.00E+00	100.000000%
Transweb	17.5	1.75E+01	99.99471%
C+	21.5	3.31E+05	0.000000%

BG			
120 min 7.5 LPM			
	DL	CFU total	% Reduction
2M03-01-75C+	12.5	0.00E+00	100.000000%
2M03-01-75C+	19.0	0.00E+00	100.000000%
Transweb	6.5	1.30E+01	99.99496%
C+	16.0	2.58E+05	0.000000%

BG			
240 min 7.5 LPM			
	DL	CFU total	% Reduction
2M03-01-75C+	19.0	0.00E+00	100.000000%
2M03-01-75C+	16.0	0.00E+00	100.000000%
Transweb	11.0	0.00E+00	100.000000%
C+	13.0	4.21E+06	0.000000%

BG			
60 min 7.5 LPM			
	DL	CFU total	% Reduction
2M03-01-75C+	21.0	0.00E+00	100.000000%
2M03-01-75C+	20.5	0.00E+00	100.000000%
Transweb	20.0	0.00E+00	100.000000%
C+	18.5	1.49E+08	0.000000%

BG			
180 min 7.5 LPM			
	DL	CFU total	% Reduction
2M03-01-75C+	16.0	3.20E+01	99.99824%
2M03-01-75C+	17.0	0.00E+00	100.000000%
Transweb	15.0	0.00E+00	100.000000%
C+	18.5	4.20E+06	0.000000%

BG			
300 min 7.5 LPM			
	DL	CFU total	% Reduction
2M03-01-75C+	13.5	2.70E+01	99.99884%
2M03-01-75C+	16.0	0.00E+00	100.000000%
Transweb	9.0	0.00E+00	100.000000%
C+	9.0	2.32E+06	0.000000%

EXHIBIT A

Experiment No AF276: Biocidal air filtration membrane project:
Performance of different filtration membrane against BG spores
for 30, 60, 120, 180, 240, 300 and 360 minutes of filtration

BG			
360 min 7.5 LPM			
	DL	CFU total	% Reduction
2M03-01-75C+	9.0	0.00E+00	100.000000%
2M03-01-75C+	16.0	4.80E+01	99.99923%
Transweb	14.0	0.00E+00	100.000000%
C+	11.0	6.20E+06	0.000000%

For BG tests

Challenge microorganism: BG
Aerosol generated by: 6 jets Modified Collision Nebulizer
pre-vaporisation: 30 min
Air flow velocity : 7.5 LPM
Nebulizer air flow : 40 PSI
Filtration time : 30 minutes
Collection fluid : 5 ml of PBS with 0.001% antifoam A
Sampling on TSA

2M03-01-75C+	Non-woven + Triosyn + Electrostatic charge
Transweb	Electrostatic non-woven without Triosyn
DL	Detection Level

EXHIBIT B

Biocidal air filtration membrane project:
Performance of different filtration membrane against MS2 viruses
for 60, 120, 180, 240, 300 and 360 minutes of filtration

MS2			
60 min			
7.5 LPM			
	DL	PFU total	% Reduction
2M03-01-92C+	4.2	0.00E+00	100.000000%
Transweb	4.3	1.29E+03	99.89250%
C+	4.0	1.20E+06	0.000000%

MS2			
180 min			
7.5 LPM			
	DL	PFU total	% Reduction
2M03-01-92C+	4.0	0.00E+00	100.000000%
Transweb	3.5	4.23E+03	99.94125%
C+	3.6	7.20E+06	0.000000%

MS2			
300 min			
7.5 LPM			
	DL	PFU total	% Reduction
2M03-01-92C+	4.1	0.00E+00	100.000000%
Transweb	3.9	4.78E+05	96.45185%
C+	4.2	1.35E+07	0.000000%

MS2			
120 min			
7.5 LPM			
	DL	PFU total	% Reduction
2M03-01-92C+	4.0	0.00E+00	100.000000%
Transweb	2.2	1.76E+03	99.08808%
C+	4.1	1.93E+05	0.000000%

MS2			
240 min			
7.5 LPM			
	DL	PFU total	% Reduction
2M03-01-92C+	3.9	0.00E+00	100.000000%
Transweb	3.9	8.34E+04	99.01882%
C+	3.9	8.50E+06	0.000000%

EXHIBIT B

Biocidal air filtration membrane project:
 Performance of different filtration membrane against MS2 viruses
 for 60, 120, 180, 240, 300 and 360 minutes of filtration

		MS2	
		360 min	7.5 LPM
	DL	PFU total	% Reduction
2M03-01-92C+	3.8	0.00E+00	100.000000%
Transweb	3.9	4.62E+05	97.47541%
C+	3.9	1.83E+07	0.000000%

For MS2 tests

Challenge microorganism: MS2
 Aerosol generated by: 6 Jets Modified Collision Nebulizer
 pre-vaporisation: 30 min
 Air flow velocity : 7.5 LPM
 Nebulizer air flow : 40 PSI
 Filtration time : 30 min, 1, 2, 3, 4, 5 and 6 hours
 Collection fluid : 5 ml of PBS with 0.001% antifoam A
 Sampling on MS2 media by single layer soft agar

2M03-01-92C+ :	Non woven + Triosyn + Electrostatic Charge
Transweb :	Electrostatic Non Woven without Triosyn
DL :	Detection Level

EXHIBIT B

**Experiment No AF270: Biocidal air filtration membrane project:
 Performance of different filtration membrane against MS2 virus
 for 30 minutes of filtration**

	DL	MS2	
		30 min	7.5 LPM
		PFU total	% Reduction
M03-01-69-C+	4.3	0.00E+00	100.000000%
M03-01-81-C+	4.2	0.00E+00	100.000000%
Transweb	4.0	2.48E+02	99.99757%
C+	3.9	1.02E+07	0.000000%

For MS2 tests
 Challenge microorganism: MS2
 Aerosol generated by: Nebulizer
 6 jets Modified Collision
 pre-vaporisation: 30 min
 Air flow velocity : 7.5 LPM
 Nebulizer air flow : 40 PSI
 Filtration time : 30 minutes
 Collection fluid : 5 ml of PBS with 0.001% antifoam A
 Sampling on MS2 media by single layer soft agar

M03-01-69-C+	Non woven + Trilosyn + Electrostatic Charge
Transweb	Electrostatic non-woven without Trilosyn
DL	Detection Level